

We claim:

1. A multiparticulate milnacipran composition for oral administration comprising particles consisting of milnacipran complexed with an ion-exchange resin.
2. The composition of claim 1 wherein the ion-exchange resin particles are less than about 2 millimeter in diameter.
3. The composition of claim 1 wherein the ion-exchange resin particles are less than about 500 microns in diameter.
4. The composition of claim 1 wherein the ion-exchange resin particles are less than about 150 microns in diameter.
5. The composition of claim 1 wherein the particles are taste-masked immediate release particles, prepared by coating drug-containing particles with a polymer that is insoluble in the neutral environment of saliva, but dissolves in the acid environment of the stomach.
6. The composition of claim 1 wherein the particles are enteric coated particles, prepared by coating drug-containing particles with a polymer that is insoluble in the acidic environment of the stomach but dissolves in the neutral environment of the small intestines.
7. The composition of claim 1 wherein the particles are extended release particles, prepared by coating drug-containing particles with a polymer that forms water insoluble but water permeable membrane.
8. The composition of claim 1 wherein the particles are enteric coated-extended release particles, prepared by coating extended release drug particles with an enteric coating.
9. The composition of claim 1 wherein the particles are taste-masked extended release particles, prepared by coating extended release drug particles with a polymer that is insoluble in the neutral environment of saliva, but dissolves in the acid environment of the stomach.
10. The composition of claim 1 wherein the particles are delayed release particles, prepared by coating drug-containing particles with a polymer that remains insoluble in the acidic environment of the stomach and the

environment of the upper small intestines, but dissolves in the lower small intestines or upper large intestines.

11. The composition of claim 1 formulated into a dosage form selected from the group consisting of a gel, capsule, soft gelatin capsule, tablet, chewable tablet, crushable tablet, rapidly dissolving tablet, and unit of use sachet or capsule for reconstitution.

12. The composition of claim 1 formulated into a liquid or liquid suspension.

13. The composition of claim 1 providing pulsatile release of milnacipran.

14. The composition of claim 1 in a liquid dosage form that provides delayed or extended release of milnacipran to produce a therapeutic effect over approximately 24 hours when administered to a patient in need, with diminished incidence and reduced intensity relative to one or more immediate release milnacipran side effects.

15. The milnacipran composition of claim 14, wherein the side effect is nausea.

16. The milnacipran composition of claim 14, wherein the side effects are selected from the group consisting of vomiting, headache, tremulousness, anxiety, panic attacks, palpitations, urinary retention, orthostatic hypotension, diaphoresis, chest pain, rash, weight gain, back pain, constipation, vertigo, increased sweating, agitation, hot flushes, tremors, fatigue, somnolence, dyspepsia, dysoria, nervousness, dry mouth, abdominal pain, irritability, and insomnia.

17. The milnacipran composition of claim 14 having a milnacipran release profile that is characterized by release of less than approximately 20% of the total dose over a period up to two hours, followed by a slow or extended drug release.

18. The milnacipran composition of claim 17 wherein the defined period of time is between approximately four and approximately twenty-four hours.

19. The composition of claim 1 further comprising one or more additional active ingredients.

20. The composition of claim 19 wherein the active ingredients are selected from the group consisting of analgesics, anti-inflammatory drugs, antipyretics, antidepressants, antiepileptics, antihistamines, antimigraine drugs, antimuscarinics, anxiolytics, sedatives, hypnotics, antipsychotics, bronchodilators, anti asthma drugs, cardiovascular drugs, corticosteroids, dopaminergics, electrolytes, gastro-intestinal drugs, muscle relaxants, nutritional agents, vitamins, parasympathomimetics, stimulants, anorectics, and anti-narcoleptics.

21. The composition of claim 1 in a dosage form delivering a dosage equivalent of between 5 and 500 mg milnacipran.

22. The composition of claim 21 in a dosage form delivering a dosage equivalent of between 100 and 400 mg milnacipran.

23. The milnacipran composition of claim 1, wherein the milnacipran is in the form of a therapeutically equivalent dose of either dextrogyral or levrogyral enantiomers of the milnacipran.

24. The milnacipran composition of claim 1, wherein the milnacipran is in the form of a therapeutically equivalent dose of a mixture of milnacipran enantiomers.

25. The milnacipran composition of claim 1, wherein the milnacipran is in the form of a therapeutically equivalent dose of the active metabolite of milnacipran.

26. The milnacipran composition of claim 1, wherein the milnacipran is in the form of a therapeutically equivalent dose of para-hydroxy-milnacipran (F2782).

27. A method of treating a patient in need thereof comprising administering to the patient the composition of claim 1.

28. A method of making an oral formulation of milnacipran as defined by claim 1, comprising complexing milnacipran with ion-exchange resin particles and, optionally, coating the drug particles with one or more polymer layers.